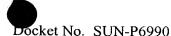## CLAIMS

What is claimed is:

1. A method for enhanced privacy protection in identification in a data communications network, the method comprising:

    enrolling for a service on said data communications network;

    receiving a randomized identifier (ID) in response to said enrolling;

    storing said randomized ID; and

    using said randomized ID to obtain services on said data communications network.

2. A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for enhanced privacy protection in identification in a data communications network, the method comprising:

    enrolling for a service on said data communications network;

    receiving a randomized identifier (ID) in response to said enrolling;

    storing said randomized ID; and

    using said randomized ID to obtain services on said data communications network.

3. An apparatus for enhanced privacy protection in identification in a data communications network, the apparatus comprising:

    means for enrolling for a service on said data communications network;

    means for receiving a randomized identifier (ID) in response to said enrolling;

means for storing said randomized ID; and

means for using said randomized ID to obtain services on said data communications

network.

4. An apparatus for enhanced privacy protection in identification in a data

communications network, the apparatus comprising:

a smart card configured to store a randomized ID obtained in response to enrolling

for a service on said data communications network, said smart card further

configured to release said randomized ID to obtain services on said data

communications network.

5. A memory for storing data for access by an application program being executed on a

data processing system, comprising:

a data structure stored in said memory, said data structure including:

credential data; and

an authority peer group ID that identifies an entity that provided data

authentication for said credential, said entity comprising a one or more

network servers in a data communications network, one of said one or more

network servers providing data authentication for said credential;

a cryptogram provided by said entity and used to authenticate said credential data.

6. A method for obtaining a service on a data communications network, the method comprising:

presenting an authority on said data communications network with user data and a credential request; and

receiving a credential in response to said credential request, said credential comprising:

a randomized identifier;

credential user data; and

an indication of the credential user data verification performed by said authority in response to said credential request.

7. A method for obtaining a service on a data communications network, the method comprising:

presenting an authority on said data communications network with a logon request;

receiving a kerberos ticket in response to said user authentication data, said ticket comprising a randomized user ID; and

using said kerberos ticket to obtain services from one or more service provider on said data communications network.

8. A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method for obtaining a service on a data communications network, the method comprising:

presenting an authority on said data communications network with a logon request;

receiving a kerberos ticket in response to said user authentication data, said ticket

comprising a randomized user ID; and

using said kerberos ticket to obtain services from one or more service provider on

said data communications network.

9. An apparatus for obtaining a service on a data communications network, the

apparatus comprising:

means for presenting an authority on said data communications network with a logon

request;

means for receiving a kerberos ticket in response to said user authentication data,

said ticket comprising a randomized user ID; and

means for using said kerberos ticket to obtain services from one or more service

provider on said data communications network.

10. An apparatus for obtaining a service on a data communications network, the

apparatus comprising:

an enrollment authority configured to accept an enrollment request, said enrollment

authority further configured to return enrollment results in response to said

enrollment request, said enrollment results comprising user data, said enrollment

results for use in obtaining a service from a service provider.

11. An apparatus for obtaining a service on a data communications network, the

apparatus comprising:

a service provider configured to accept a service request and enrollment results

obtained from an enrollment authority, said service provider capable of

communicating with said authority to verify said enrollment results, said service

provider configured to provide said service based upon said enrollment results

and a response from said enrollment authority.